

### Overview

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#### The Latest Innovation from Compaq

- More critical equipment supported in rack space with space-saving design (6U) and more accurate load qualification
  - Greater system uptime with Extended Run-time Modules (ERMs)
  - Enhanced system flexibility with five load segments and additional support for Compaq UPS option cards
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#### Benefits at a Glance

- Enterprise-wide intelligent manageability with independently controllable load segments and bundled Compaq Power Management Software
  - Ultimate, long-term battery reliability with Compaq Enhanced Battery Management
  - System expandability and manageability with Compaq UPS option cards
  - Ease of serviceability with a service Bypass switch and hot-swappable batteries
  - Backed by a limited, three-year warranty, Compaq Pre Failure warranty, and \$25,000 load protection guaranty. Certain restrictions and exclusions apply. \$25,000 load protection guarantee supported by original equipment manufacturer. Consult the Customer Support Center for details. For more information about Compaq UPSs or other Compaq products, contact your authorized Compaq reseller or visit our Web site at [www.compaq.com](http://www.compaq.com).
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#### More Critical Equipment Supported

Rated at 6000VA/6000W, the Compaq R6000 UPS achieves a unity power rating. As a unity rated UPS, the Compaq R6000 delivers more true power - as measured in Watts - than non-unity rated UPSs. The Compaq R6000 UPS delivers more accurate load qualification, allowing you to support a greater number of today's enterprise computing Power Factor Corrected (PFC) equipment.

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#### Efficient Design Saves Rack Space

The Compaq R6000 occupies only 6U (10.5 inches) of valuable rack real estate. The state-of-the art power processing system design of the Compaq R6000 has an unsurpassed power density of 1kW per 1U of rack space.

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#### Investment Protection with Compaq Enhanced Battery Management

The Compaq R6000 UPS incorporates Enhanced Battery Management-an exclusive, patented technology that doubles battery service life, optimizes battery recharge time, and provides advance notice of pending battery failure. With Enhanced Battery Management, you have a lower total cost of ownership and receive the best in the industry protection for your critical equipment.

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#### Increases System Uptime with Extended Runtime Modules and Hot-Swappable Batteries

The Compaq R6000 UPS is equipped with hot-swappable batteries, so you can replace batteries without powering down the connected equipment. The rack-mounted Extended Runtime Modules occupy 3U (5.25 inches) of rack space. The Compaq R6000 UPS supports up to two Extended Runtime Modules.

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#### More Flexibility with Compaq UPS Option Cards and Additional Load Segments

Compaq UPS option cards seamlessly integrate into the back bezel of your Compaq R6000 UPS. The Compaq Multi-Server Card facilitates direct communication with up to three servers, eliminating the need for multiple UPSs. The Compaq Scalable Card enables multiple UPSs to work together and to be monitored as one logical UPS providing scalability and field upgradability. Equipped with two option slots, the Compaq R6000 UPS can support the Compaq Multi-Server and Scalable Cards simultaneously.

With five load segments, you have the flexibility to configure scheduled startups and shutdowns, as well as independently control separate load segments. With the bundled Compaq Power Management Software, the Compaq R6000 UPS can be configured to extend the runtime for more critical devices. SNMP-EN Adapter acts as a user interface in a network environment, allowing communication between the UPS and the server, when the SNMP-based power management software, Compaq OnliNet Centro is installed. Network managers can perform basic SNMP queries to determine specific power information, such as battery capacity, on demand from the UPS. The SNMP-EN Adapter also provides unsolicited communications to the network management software in the event of a power failure or a critical UPS condition.

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#### Compaq Quality

Backed by extensive testing, product improvement and an unsurpassed warranty, you are guaranteed the highest level of system protection and performance with your Compaq R6000 UPS.

It supports V.42, MNP 2-4, MNP 10, MNP 10EC, and V.42bis/MNP 5, providing the most advanced error correction and data compression available.

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### Specifications

<b>Electrical Input</b>	Voltage	200, 208, 220, 230 & 240 user-selectable; see Model Selection Guide for default voltage settings
	Voltage Range	± 20% of nominal voltage
	Extended Voltage Range	160-288V
	Frequency	50/60 Hz, ± 3 Hz (± 5 Hz with extended voltage range)
	Connection	Hardwired
	Power Factor	Approx. same as connected equipment
	Inrush Current	< 250A for one cycle
	Online Efficiency	96%
	REPC	Remote Emergency Power-Off disables AC power to load
	<b>Electrical Output</b>	Power Out (VA/Watts)
Voltage Range (online)		± 10% of nominal voltage
Voltage Range (on battery)		± 5% of nominal voltage (-10% at low battery)
Wave Form		Sine Wave
Frequency		Same as input (± 0.5% during battery operation)
Connections		(3) IEC-320, 16A and (12) IEC-320, 10A; divided into 5 Load Segments
Max Current		29A at 208 Vac; 26A at 230 Vac 30A at 200 Vac
Output Protection		Resettable circuit breaker (One 10 Amp for each load segment)
Sleep Mode (User-Configurable)		With < 8% load, UPS shuts down in 5 minutes to prevent unnecessary battery drain, sleep mode is disabled as default from factory
<b>Battery</b>		Type
	Extended batteries	Maximum of 2 Extended Run Modules
	Backup Time	See Backup Times table
	Recharge Time	< 3 hours to 80% usable capacity; < 48 hours for complete recharge
	Extended Battery Recharge Time	< 10 hours to 80% usable capacity
<b>Communications</b>	Serial Ports	(2) Serial communication ports for intelligent power management software and Compaq Option Cards
	Option Cards	Multi-Server UPS Card, Scalable UPS Card, and the SNMP-EN Adapter for rear panel option slots
	User LEDs	Normal Operation (green), On Battery (yellow), On Bypass (yellow), and Alarm (red)
	Front Panel Controls	On button, Standby button, & Test/Reset/Alarm Silence button
	LCD	Two-line LCD with three button control
<b>Environmental and Safety</b>	Operating Temperature	50° to 104°F/10° to 40°C (77°F/25°C for optimal performance)
	Transit Temperature	-4° to 131°F/-20° to 55°C
	Storage Temperature	32° to 77°C /0°C to 25°C
	Humidity (Operating)	20% to 80% (non-condensing)
	Humidity (Non-operating)	5% to 95%
	Operating Altitude	0 to 10,000 feet/0 to 3,048 m
	Non-Operating Altitude	0 to 30,000 feet/0 to 9,144 m
	Audible Noise	55 dBA at 1 meter
	Safety Markings	FCS, UL, CSA, VDE, NEMKO, FIMKO, DEMKO, SEMKO, NOM
	Safety Certifications	UL1778; CSA22.2 No.107.1, No.107.2, No.950; CB Bulletin No.86A1; EN50091-1; EN60950; EMKO-TSE207/95; NOM-019-SCFI-1993
	EMC Markings	FCC; CISPR; VCCI; CE
	Emissions	FCC CFR 47, Part 15 Class A, EN50091-2
	Immunity	IEC 801-2, IEC 801-3, IEC 801-4, IEC 801-5
Surge Suppression	Conforms to IEEE 587B and ANSI C62.41	
REPO Port	Meets NEC code 645-11	

### Estimated Backup Times (In Minutes)

Load in Watts	Standard Batteries	One Additional ERM(1)	Two Additional ERMS(1)
500W	1 hour 45 minutes	3 hours	6 hours
1000W	1 hour	2 hours	3 hours
2000W	25 minutes	1 hour	1 hour 30 minutes
3000W	20 minutes	35 minutes	1 hour
4000W	12 minutes	30 minutes	45 minutes
5000W	9 minutes	25 minutes	40 minutes
6000W	7 minutes	15 minutes	30 minutes

1. Extended Runtime Module

### Model Selection Guide

#### Product Part Numbers

R6000 (North America) 347207-001

#### Hardware Options

Extended Runtime Module 347224-B21

Multi-Server UPS Card 123508-B21

Scalable UPS Card 123509-B21

SNMP-EN Adapter 347225-B21

High to Low Voltage Transformer (250V) 388643-B21

### Physical Characteristics

Feature		U.S.	Metric
Dimensions	Width	17.25 in	43.8 cm
	Height	10.5 in	26.8 cm
	Depth	24.75 in (not incl. bezel)	62.9 cm
		25.75 in (including bezel)	65.4 cm
	Weight	250 lbs	136 kg

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